

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1715	166/372,332.8,319,321.ccls.	US- PGPUB; USPAT; USOCR	AND	OFF	2008/04/08 10:55
L2	1	L1 valve (sleeve NEAR taper)	US- PGPUB; USPAT; USOCR	AND	OFF	2008/04/08 10:55
L3	10	"166".clas. valve (sleeve NEAR taper)	US- PGPUB; USPAT; USOCR	AND	OFF	2008/04/08 10:56
L4	3	"166".clas. (flapper NEAR (taper OR angle OR angled OR beveled))	US- PGPUB; USPAT; USOCR	AND	OFF	2008/04/08 11:19
L5	36	"166".clas. (flapper NEAR (sleeve))	US- PGPUB; USPAT; USOCR	AND	OFF	2008/04/08 11:23
L6	89	"166".clas. (flapper NEAR (sleeve OR piston OR (flow ADJ tube)))	US- PGPUB; USPAT; USOCR	AND	OFF	2008/04/08 11:23
S1	517	166/372.ccls.	US- PGPUB; USPAT; USOCR	AND	OFF	2008/04/07 14:18
S2	16	S1 flapper (spring OR bias OR biased OR biasing) (sleeve OR piston OR (flow ADJ tube))	US- PGPUB; USPAT; USOCR	AND	OFF	2008/04/07 14:19
S3	21	S1 flapper (spring OR bias OR biased OR biasing)	US- PGPUB; USPAT; USOCR	AND	OFF	2008/04/07 14:30
S4	1715	166/372,332.8,319,321.ccls.	US- PGPUB; USPAT; USOCR	AND	OFF	2008/04/07 14:51
S5	260	S4 (choke OR (flow ADJ restrictor))	US- PGPUB; USPAT; USOCR	AND	OFF	2008/04/07 14:52

S6	54	S5 flapper	US- PGPUB; USPAT; USOCR	AND	OFF	2008/04/07 14:52
S7	399	S4 (gas SAME lift)	US- PGPUB; USPAT; USOCR	AND	OFF	2008/04/07 15:07
S8	37	S7 flapper spring	US- PGPUB; USPAT; USOCR	AND	OFF	2008/04/07 15:07
S9	4	("4248308"   "5004007"   "5257663"   "5535828").PN.	US- PGPUB; USPAT; USOCR	AND	OFF	2008/04/07 15:22
S10	54	lembcke.in.	US- PGPUB; USPAT; USOCR	AND	OFF	2008/04/07 15:33

4/8/2008 12:55:50 PM

C:\ Documents and Settings\ bharcourt\ My Documents\ EAST\ Workspaces\ 10593734 method of injecting lift gas into a production tubing.wsp